

Application No. 10/826,148  
Amendment Dated December 26, 2006  
Reply to Office Action Dated September 25, 2006

**Amendments to the Specification:**

**(All changes are made with reference to the paragraph numbers recited in the corresponding US Patent Publication 2004/0255452)**

**Please cancel the current abstract and replace it with the following amended abstract:**

A process is provided for the production of a superconducting cable having a single cable core that contains at least one elongated superconducting element and a flexible tube that which surrounds the cable core. The process includes continuously pulling the single cable core from a supply unit, continuously pulling a metal strip from a strip supply unit and continuously forming a slotted tube around the cable core with the metal strip to form a slotted tube. The longitudinal slot of the slotted tube is welded shut corrugating the welded tube with the cable core inside the tube. The then semi-finished superconducting cable is wound in at least one turn on a cable drum, and the ends of the cable core are mechanically joined to the ends of the corrugated tube while the cable is on the cable drum.